

New Generation Telemetry Relay Module

Features



- Offers dual 240V AC 5Amp Relays
- Latched relays
- Sums up to 8 x T24 Acquisition Modules
- Alarm signal
- Up to 200m (650ft) wireless range
- Worldwide licence exempt 2.4 GHz radio
- Environmentally sealed to IP65



Introduction

The T24-RM1 offers power relays capable of mains power switching. These relays can be configured as high, low or window alarms to one or a sum of up to 8 x T24 devices. Relays can be latched and a digital input or external command can be used to reset them.

An alarm signal relay is operated if communications is lost or other selectable errors occur and this alarm output can be silenced by a contact free digital input. This module is supplied as standard in an IP65 sealed ABS case but a DIN rail option is available.

The state of the power relays can be set as required if an error occurs.

Specifications

Environmental

Parameter	Minimum	Typical	Maximum	Units	Notes
Supply voltage Range	9	12	32	Volts	
Operational Current No Relays Active	-	60mA		mA	At 12V supply TBC
Operational Current All Relays Active	-	80mA		mA	At 12V supply TBC
Operating Temperature Range	-10	-	60	Deg C	
Storage Temperature Range	-20	-	65	Deg C	
5Amp relays	-	240V 5A	-		

Physical

Case dimensions	160 x 80 x 55mm
Case materials	Light grey ABS with IP65 cable glands
Terminals	2.5mm, rising clamp field terminals, 6 way field connector
Accessibility	All electronics accessible by removing lid

Software Details

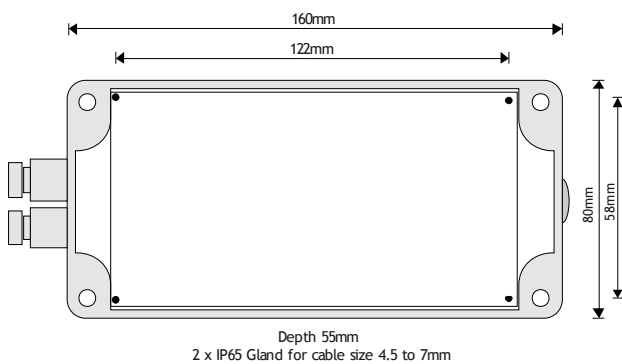
T24 Toolkit

Range Product Order Codes

T24-SAi	Strain Gauge Acquisition Module internal antenna	T24-HS	Handheld Display 1 Channel
T24-SAE	Strain Gauge Acquisition Module with socket for external antenna	T24-HA	Handheld Display Multi Channel
T24-VAi	Voltage Acquisition Module internal antenna	T24-BSu	Base Station USB
T24-VAe	Voltage Acquisition Module with socket for external antenna	T24-BSi	Base Station Industrial (USB, 232, 485)
T24-IAi	Current Acquisition Module internal antenna	T24-SO	Serial Output
T24-IAe	Current Acquisition Module with socket for external antenna	T24-BC1	Battery Charger
T24-SAFi	'Fast' Strain Gauge Acquisition Module internal antenna	T24-PR1	Printer
T24-Safe	'Fast' Strain Gauge Acquisition Module with socket for external antenna	T24-A01	Desktop Analogue Output Module
T24-ACM	Acquisition Enclosure	T24-A01i	Industrial Analogue Output Module
T24-ACMi	Miniature Acquisition Enclosure	T24-RM1	Relay Module
T24-BC1	Battery Charger		

Mechanical Dimensions

T24-RM1



Approvals

CE, Complies with EMC directive. 2004/108/EC
The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC.



Family: RAD24



Industry Canada Industrie Canada

IC:7224A-RAD24

In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice